

RANSOME CONCRETE MACHINERY CO.

Concrete Mixers, Chutes and Equipment

DUNELLEN, N. J.

BRANCH OFFICES AND REPRESENTATIVES

BOSTON, MASS., R. B. CAMPBELL Co., 6 Beacon Street
 NEW YORK, N. Y., RANSOME CONCRETE MACHINERY Co.,
 150 Nassau Street
 PHILADELPHIA, PA., GILES & RANSOME, Commonwealth
 Building
 PITTSBURGH, PA., GEO. C. VIDETTO MACHINERY Co., Bes-
 semer Building
 BALTIMORE, MD., GILES & RANSOME, Builders Exchange
 NORFOLK, VA., W. L. ROCKE, Law Building
 RICHMOND, VA., HENRY W. O'GRADY, Mutual Building
 HUNTINGTON, W. VA., BANKS SUPPLY COMPANY
 ATLANTA, GA., PIEDMONT MOTOR & MACHINERY Co., 38 South
 Forsyth Street
 BIRMINGHAM, ALA., HENRY C. ASHMEAD, Brown-Marx
 Building
 JACKSONVILLE, FLA., E. W. BENTLEY
 CHICAGO, ILL., RANSOME CONCRETE MACHINERY Co., 218
 North Clinton Street
 CINCINNATI, OHIO, H. M. BRITTAN, Grand Hotel

DETROIT, MICH., W. H. ANDERSON TOOL & SUPPLY Co.,
 Brush and Macomb Streets
 ST. PAUL, MINN., RAYMER HARDWARE COMPANY, 56 East
 Fifth Street
 DES MOINES, IOWA, DES MOINES STEEL COMPANY
 ST. LOUIS, MO., HENRY K. ROBINSON, 804 Federal Reserve
 Bank Building
 KANSAS CITY, MO., H. C. DARNELL & Co., 15th and Elm-
 wood Avenues
 MEMPHIS, TENN., PIGEON-THOMAS IRON COMPANY
 NEW ORLEANS, LA., OLE K. OLSEN
 HOUSTON, TEX., ALEXANDER HARRISON, 2007 Shearn Street
 SAN FRANCISCO, CAL., C. A. GARFIELD & Co., Hearst
 Building
 EL PASO, TEX., BROWNFIELD & CAMPTON, Mills Building
 MONTREAL, CAN., F. H. HOPKINS & Co., Imperial Bank
 Chambers
 TORONTO, CAN., F. H. HOPKINS & Co., Mail Building
 HAVANA, CUBA, THRALL ELECTRIC COMPANY

Products.

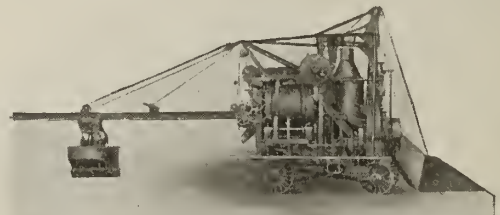
CONCRETE MIXERS, PAVING MIXERS, GROUT MIXERS and PLACERS, PNEUMATIC CONCRETE MIXERS and PLACERS, HOIST BUCKETS, BIN GATES, COMPLETE CHUTING PLANTS including STEEL TOWERS and all ACCESSORIES, CONCRETE CARTS and CARS, PORTABLE WOODWORKING MILLS.

Dry Mixers, Concrete Charging Barrows, Concrete Tampers and Axes, Bar Cutters and Benders.



TRADE-MARK

The Ransome Engineering Department, composed of engineers, of long and wide experience in construction work, will co-operate with contractors and engineers in the solution of concrete equipment problems, upon receipt of plans, location of material piles and how the aggregate is delivered to the job. This service is free to clients.



RANSOME 21-E PAVER

CAPACITY—21 cu. ft. mixed concrete per batch; 30 cu. ft. unmixed loose material per batch.

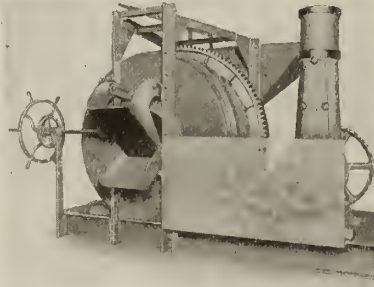
EQUIPMENT—Steam engine and boiler, power loader, automatic water tank, 20-ft. distributing boom and bottom dumping bucket or distributing chute with 3-point discharge. Mounted on self-traction trucks or crawling traction



RANSOME STANDARD BUILDING MIXER, SIZE 21-S

CAPACITY—21 cu. ft. mixed concrete per batch; 30 cu. ft. unmixed loose material per batch.

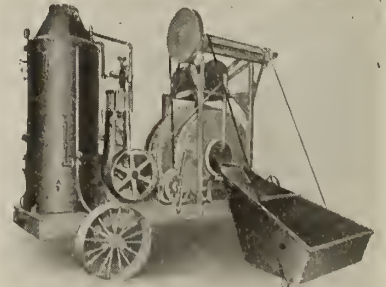
EQUIPMENT—Charging chute, batch hopper, power loader, with or without automatic water tank. On trucks or skids. Steam, electric or gasoline operated, or belt drive



RANSOME STANDARD BUILDING MIXER, SIZE 28-S

CAPACITY—28 cu. ft. mixed concrete per batch; 45 cu. ft. unmixed loose material per batch.

EQUIPMENT—Charging chute, batch hopper, automatic water tank. On skids only. Steam or electric operated or belt drive



RANSOME STANDARD BUILDING MIXER, SIZE 14-S

CAPACITY—14 cu. ft. mixed concrete per batch; 22 cu. ft. unmixed loose material per batch.

EQUIPMENT—Charging chute, batch hopper, power loader with automatic water tank. On trucks or skids. Steam, electric or gasoline operated, or belt drive



IMPROVED RANSOME BANTAM MIXER

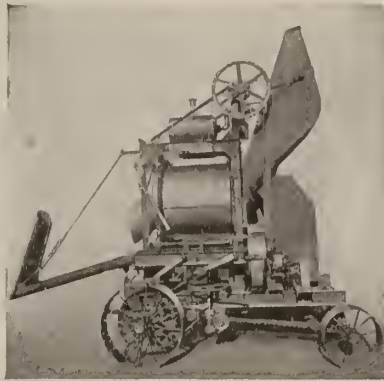
On trucks, with gasoline engine, platform and runways.

Made in two sizes, 7-S and 10-S.

7-S CAPACITY—7 cu. ft. mixed concrete per batch; 10 cu. ft. unmixed loose material per batch.

10-S CAPACITY—10 cu. ft. mixed concrete per batch; 14 cu. ft. unmixed loose material per batch.

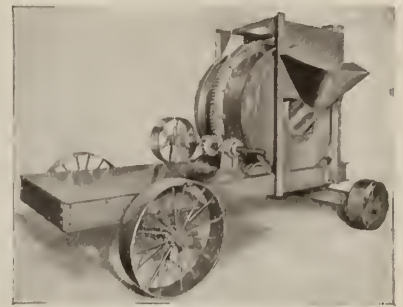
EQUIPMENT—Both mixers are furnished with charging chute; with or without platform and runways; batch hopper; power loader and with automatic water tank. On trucks or skids. Steam, electric or gasoline operated.



RANSOME 7-E HIGH DRUM PAVER

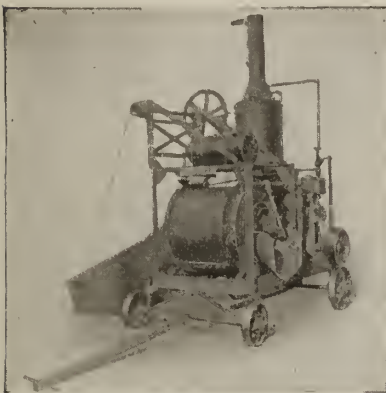
CAPACITY—7 cu. ft. mixed concrete per batch; 10 cu. ft. unmixed loose material per batch.

EQUIPMENT—Gasoline engine, power loader, automatic water tank, 10 ft. 3-point discharge distributing chute, slope 21°. Mounted on self-traction trucks.



RANSOME CHARGING CHUTE

Guides material into opening of drum. Usually limited to use with wheelbarrows and in connection with platforms and runways.



IMPROVED RANSOME BANTAM MIXER

On trucks, with steam engine, boiler, power loader and with automatic water tank.



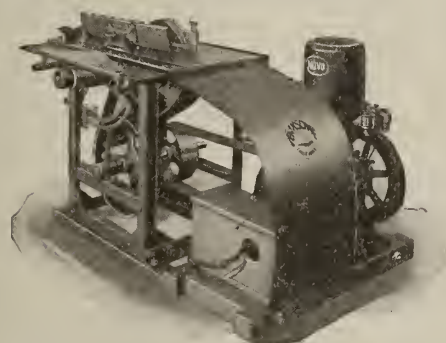
RANSOME POWER LOADER

Avoids use of overhead bins, runways, etc. Bucket is loaded directly from wheelbarrows or cars on ground level. Loading time speeded up by compensating sheaves in overhead framework, which increase speed as bucket rises. Ransome automatic water tank is regularly included with power loader.



RANSOME-CANNIFF PNEUMATIC CONCRETE MIXER AND PLACER

Will mix and place concrete in tunnel jobs at 40% of the cost for handwork. Stock sizes handle a batch of 14 cu. ft. of loose aggregates or 10 cu. ft. of mixed concrete. Other sizes made to order. Will successfully convey concrete half a mile. Up to 500 ft., will place 50 batches per hour; to 750 ft. 40 and up to 1000 ft., 28 batches per hour under average conditions.



RANSOME SOLID TOP PORTABLE WOOD-WORKING MILL

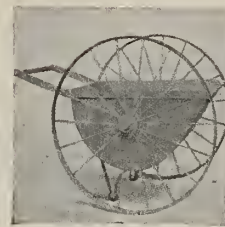
Designed and built for contractor's use. Table top is solid casting, machined true on top and sides. Operated by gasoline engine. Saw is mounted on movable arbor and is raised and lowered so that lumber always runs horizontally. A wood turning lathe may be attached. Send for Bulletin 300 for details.



RANSOME HOIST BUCKET

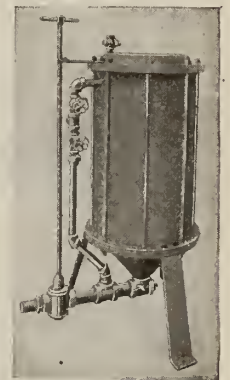
Operates quickly in direct vertical lift and equally well in wooden or steel towers. Automatic discharge at any desired point in tower. No catches or trips.

CAPACITY—8, 12, 18, 27, 36 and 66 cu. ft.



RANSOME CONCRETE CARTS

More economical than wheelbarrows because of greater capacity—6 cu. ft. Handles may be quickly changed to either end. Contour of body facilitates quick, clean dumping. Furnished with or without legs.



RANSOME-CANNIFF PNEUMATIC GROUT MIXER AND PLACER

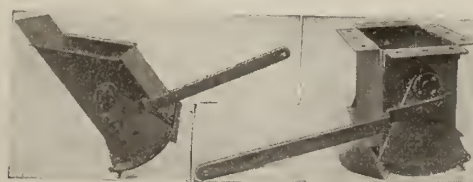
Designed to mix and place grout under pressure by means of compressed air. Particularly adapted to sealing fissures, closing voids in concrete where absolutely watertight work is essential, etc. Size of batch is 2 sacks of cement and 2 cu. ft. of sand with whatever amount of water is required. Will place on an average of 40 batches per hour under ordinary conditions against a head of 175 ft. or less. 3 types: Standard, adapted to pressure up to 150 lbs.; High Pressure, to 300 lbs.; Extra High Pressure, to 600 lbs.



RANSOME SKIP CARS

These cars dump automatically and return to the loading position by gravity. May be used economically on the larger installations.

CAPACITY—1, 1½, and 2 cu. yds.

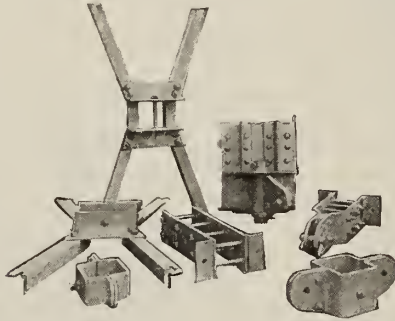


RANSOME BIN GATES

Both vertical and bottom type built with radial cut-off. Work easily and positively in all materials. When ordering, specify whether for steel or wooden bins. Made in 2 sizes, 12 by 15 in., and 20 by 20 in.

Ransome Concrete Chutes and Accessories.

The design of Ransome concrete chutes is the result of years of experience and experiments in the handling of concrete. This practical knowledge finds expression in the size and shape of the trough, the slope or angle, and the over-size hopper heads which compensate for the momentary check in flow caused by a change in direction. Standardization and interchangeable unit construction facilitate replacement of parts, dismantling, shipping and setting up of Ransome chutes. The body of the chute is made of No. 14 gage, high carbon steel, insuring rigidity, strength and long service.



RANSOME OPEN WOODEN BOOM IRONS

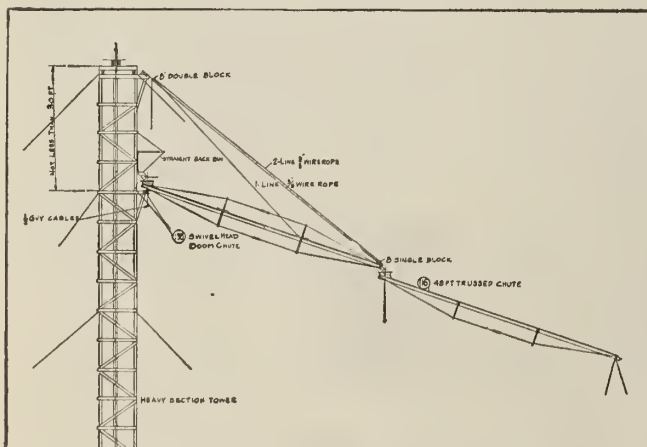
RANSOME OPEN WOODEN BOOM IRONS—Made of steel and specially designed to take the strains and stresses peculiar to their work. The irons for the 48-ft. 6-by 6-in. open wooden beams are designed for use with the standard open wooden boom plants. The boom irons for the 48-ft. 8-by 8-in. open wooden booms used in connection with counterweight chutes, are made extra heavy.



Closed



Open
RANSOME LINE GATE



RANSOME BOOM CHUTE PLANT

RANSOME LINE GATE—Designed to draw concrete from various points in a continuous line chute by simply pulling a rope. One chute with a hopper head, or a line hopper with flexible drop chutes attached, may be used under the line gates. For exceedingly long drops, 8-ft. lengths of 8-in. diameter chutes are preferable to the shorter lengths of 8-in. flexible drop chutes.

Ransome Swivel Head Chutes, Plain and Trussed.

The simplicity of construction of Ransome chutes is shown by the ease with which the various items may be combined to make various units. To make a 16-ft. swivel head chute, bolt a hopper head on the upper end, and a splash hood with a swivel hook on the lower end of a 16-ft. trough unit. A 32-ft. swivel head chute is made by joining two 16-ft. trough units together and strengthening the joint by bolting a splice plate and attaching a hopper head, splash hood and swivel hook. A 48-ft. swivel head trussed chute is made up by joining three 16-ft. trough units together with two splice plates, and at each joint, bolting through the standard holes in the connecting flanges, one truss strut, and putting in place two truss rods by passing these through standard holes in the flanges. The hopper head, splash hood and swivel hook are then added as before.



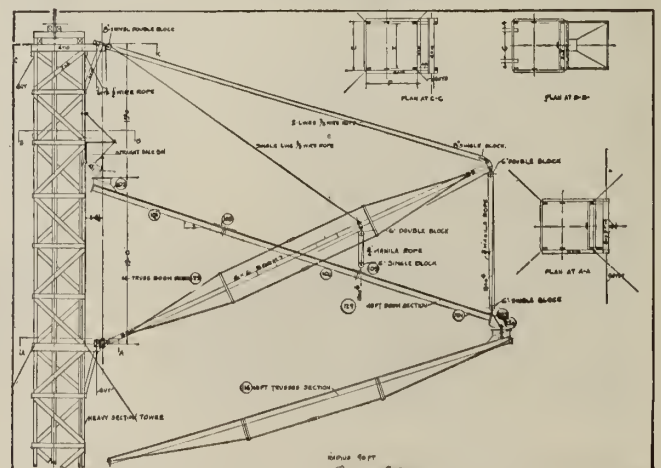
16-ft. Swivel Head Chute



32-ft. Swivel Head Chute

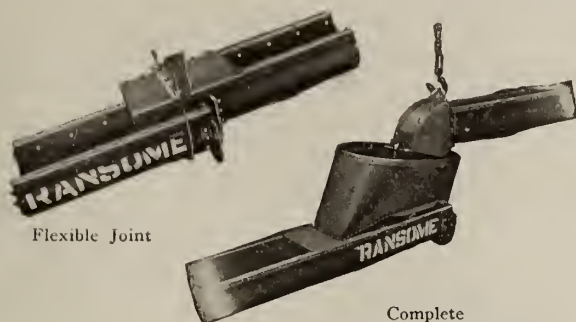


48-ft. Swivel Head Trussed Chute
RANSOME SWIVEL HEAD CHUTES



RANSOME OPEN WOODEN BOOM PLANT

RANSOME SWIVEL JOINT—The view of a complete swivel joint shows the oversize hopper head which takes care of the momentary checking of velocity of flow of the concrete, due to the change in direction, and also the swivel hook located outside the splash hood, which is an advantage, as it does not obstruct the flow of the concrete.



RANSOME CONTINUOUS LINE CHUTE JOINTS

Ransome Continuous Line Chute.

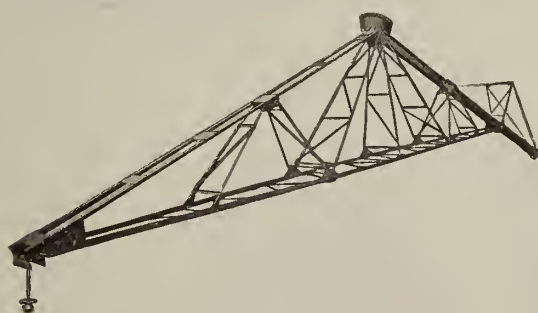
A 32-ft. continuous line chute is made the same as a 32-ft. swivel head chute, except that the hopper head, splash hood and swivel hook are omitted, and a flexible joint is attached at the lower end.

Ransome Counterweight Chutes.

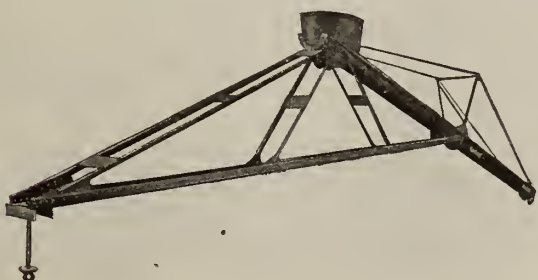
Made in two lengths, 32 ft. and 48 ft. The 32-ft. section will carry a 32-ft. swivel head section and the 48-ft. section is strong enough to carry a 48-ft. swivel head trussed section at its lower end. This means that a Ransome counterweight chute is stronger and naturally heavier than a chute which will carry only the load of concrete within itself.

On practically every job, instances arise where it is advantageous to carry another section of chute on the lower end of the counterweight section.

It will always be an economy to buy a counterweight chute strong enough to do this.

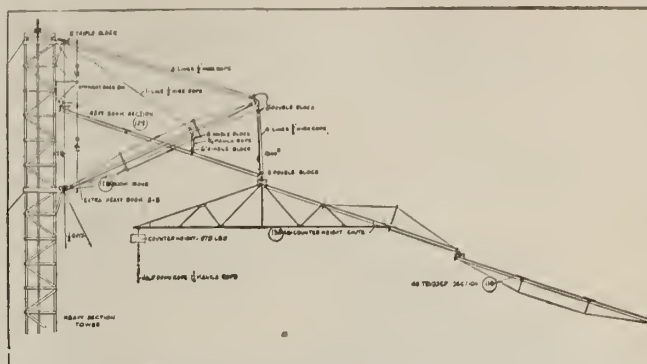


32-ft. Chute



48-ft. Chute

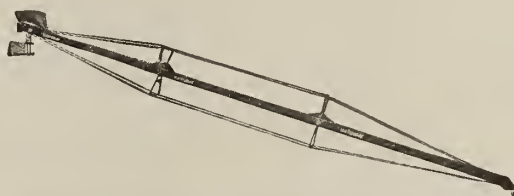
RANSOME COUNTERWEIGHT CHUTES



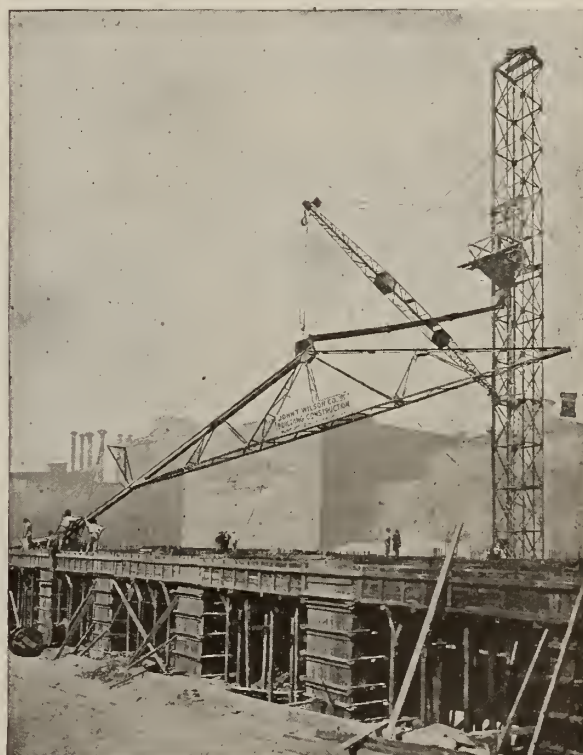
RANSOME COMBINATION OPEN WOODEN BOOM AND COUNTERWEIGHT CHUTE PLANT

Ransome Swivel Head Boom Chutes.

These chutes are standard equipment and are made in two lengths, 32 ft. and 48 ft. They serve the same purpose as the open wooden boom plants and it is often cheaper to install them; the economy depending upon whether it costs less money to build the tower 15 ft. higher, than it does to purchase open wooden boom irons and build an open wooden boom. It should be borne in mind that in the installation of a swivel head boom chute, the distance from the boom seat end of the chute, when the bin is at its highest point, to the top of the tower, must be at least 30 ft. The boom chutes are double trussed and equipped with liners to insure stiffness. At the upper, or hopper head end of the boom chute, a special swivel bracket is attached.



RANSOME 48-FT. SWIVEL HEAD BOOM CHUTE



RANSOME STEEL TOWER AND BOOM CHUTE IN OPERATION